T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0·60	0·15	= 5·04	
		19·24 cum	
4. N.D			
(L.S)			
5/6/18			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494311

Serial No. MAIN-BILL:

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No·01:- Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0·5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of lode etc., complete as per specifications.,						
	Qty vide page no. 4944/49309 →					54·48 cum	
	At the rate of Rs. 195·00 →						10623·60
	Item No·02:- Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40 mm., and down size graded granite metal coarse aggregates @ 0·85 cum and fine aggregates @ 0·57 cum						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	machine mixed, concrete well compacted, in foundation and plinth, including materials, labour HOM of machinery, curing etc., complete as per specifications and directions of engineer-in-charge.;	laid in layers not, exceeding					15cms, thick cost of all
	Qty vide page no. 494/4 | 494/310 →					18.54 cum	
	At the rate of Rs. 5100.00 →						94554.00
Item No. 03:-	Providing and constructing granite | trap | basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cm high., as per specifications.,						
	Damaged wall of existing drain:-						
	(one-side) 02-16	01	14.0	0.45	0.4	= 2.52	
	19-30	01	11.0	0.45	0.4	= 1.98	
						4.50	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	39-55
	65-89
	92-102
	115-145
	150-165
	165-172
	Other side:- 10-30
	40-52
	65-120
	120-145
	150-165

OK

Depth 6	Contents 7	Reference to last Measurement 8
, exceeding		15cms, thick
, including		cost of all
ring etc.,		complete as
neer-in-charge.,		
18.54cum		
		94554.00
ap/ basalt size stone		
ar 1:6, stone hammered		
) as per specifications.,		
0.4	= 2.52	
0.4	= 1.98	
	4.50	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494312

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	39-55	01	16.0	0.45	0.40	= 2.88	
	65-89	01	24.0	0.45	0.40	= 4.32	
	92-102	01	10.0	0.45	0.40	= 1.80	
	115-145	01	30.0	0.45	0.40	= 5.40	
	150-165	01	15.0	0.45	0.40	= 2.70	
	165-172	01	7.0	0.45	0.40	= 1.26	
						22.86 cum.	
	Otherside:-						
	10-30	01	20.0	0.45	0.40	= 3.60	
	40-52	01	12.0	0.45	0.40	= 2.16	
	65-120	01	55.0	0.45	0.40	= 9.90	
	120-145	01	25.0	0.45	0.40	= 4.50	
	150-165	01	15.0	0.45	0.40	= 2.70	
						45.72	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth	45.72	
1	2	3	4	5	6	7	8
	166-171	01	5.0	0.45	0.40 =	0.90	
						23.76 cum	
	Raising the drain level:-						
	0-30	01x2=2	30.0	0.45	0.40 =	10.80	
	30-60	1x2=2	30.0	0.45	0.40 =	10.80	
	60-90	1x2=2	30.0	0.45	0.60 =	16.20	
	90-101.3	1x2=2	11.30	0.45	0.40 =	4.07	
	107.1-127.7	1x2=2	20.60	0.45	0.40 =	11.13	
	130.7-158.4	1x2=2	27.70	0.45	0.40 =	9.9	
	168.4-177.0	1x2=2	8.60	0.45	0.60 =	4.65	
						67.55 cum	
		2x2=4	28.0	0.45	0.80 =	40.32 cum	
					Total =	154.49 cum	

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	Qty ltd to	139
	At the rate of R	
	Item No.04:- Providing flush p	
	stone masonry with cement	
	of 20mm nicely lining, incl	
	complete as per specificatio	
	0-30	1x2=2
	30-60	1x2=2
	60-90	1x2=2
	90-101.3	1x2=2

BOOK

ions		Contents 45.72	Reference to last Measurement
readth 5	Depth 6	7	8
0.45	0.40 =	0.90	
		23.76 cum	
45	0.40 =	10.80	
45	0.40 =	10.80	
45	0.60 =	16.20	
45	0.40 =	4.07	
45	0.40 =	11.13	
45	0.40 =	9.9	
45	0.60 =	4.65	
		67.55 cum	
45	0.80 =	40.32 cum	
Total	=	154.49 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494313

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty ltd to 139.98 cum						615912.00
	At the rate of Rs. 4400.00 →						
	Item No 04:- Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing etc., complete as per specifications.						
	0-30	1x2=2	30.0		0.90	= 54.00	
	30-60	1x2=2	30.0		0.90	= 54.00	
	60-90	1x2=2	30.0		0.90	= 54.00	
	90-101.3	1x2=2	11.30		0.90	= 20.34	

182.34

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth	182.34	
1	2	3	4	5	6	7	8
	107.1-127.7	1x2=2	20.60	-	0.90	= 37.08	
	130.7-158.4	1x2=2	27.70	-	0.90	= 49.86	
	168.4-177.0	1x2=2	8.60	-	0.90	= 15.48	
		2x2=4	28.0	-	0.90	= 100.80	
					Total =	385.56 Sqm	
							38556.00
	At the rate of Rs. 100.00 →						
	Item No. 05:- Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation, plinth, cills, including cost of all materials, labour.,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	
	Drain bottom:- 0-30	
	30-60	
	60-90	
	90-101.3	
	107.1-127.7	
	130.7-158.4	
	168.4-177.0	
	C&F.C	
	Coping on sidewalls of dra	
	C&F.C	

BOOK

ons		Contents 182.34	*Reference to last Measurement
readth 5	Depth 6	7	8
-	0·90 =	37·08	
-	0·90 =	49·86	
-	0·90 =	15·48	
-	0·90 =	100·80	
Total =		385·56 sqm	
		38556·00	

plain cement concrete of mix
and down size graded
·878 cum and fine aggregates
ed in layers not exceeding 15cms
plinth, cills, including cost of all

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494314

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Drain bottom:-						
	0-30	01	30·0	0·60	0·15	= 2·70	
	30-60	01	30·0	0·60	0·15	= 2.70	
	60-90	01	30·0	0·60	0·15	= 2·70	
	90-101·3	01	11·30	0·60	0·15	= 1·02	
	107·1-127·7	01	20·60	0·60	0·15	= 1·85	
	130·7-158·4	01	27·70	0·60	0·15	= 2·50	
	168·4-177·0	01	8·60	0·60	0·15	= 0·77	
						14·24 cum	
	Coping on sidewalls of drain:-						
		01×2=2	30·0	0·45	0·10	= 2·70	
		01×2=2	30·0	0·45	0·10	= 2·70	
						19.64.	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	19.64	
1	2	3	4	5	6	7	8
		1X2=2	30.0	0.45	0.10	= 2.70	
		1X2=2	11.30	0.45	0.10	= 1.02	
		1X2=2	20.60	0.45	0.10	= 1.85	
		1X2=2	27.70	0.45	0.10	= 2.49	
		1X2=2	8.60	0.45	0.10	= 0.77	
						14.24 cum	
		2X2=4	28.0	0.45	0.10	= 5.04	
	Road cut portions:-	01	20.0	9.0	0.10	= 4.0	
		~~01~~	~~16.50~~	~~2.0~~	~~0.10~~	= ~~3.30~~	
					Total =	~~37.52~~ cum	
	Qty → ~~37.52~~ cum						
	At the rate of Rs.	5700.00 →				37.08	213864.00
							21.1356-

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No.06:- Providing pr
	labour, curing, tra
	0-30
	30-60
	90-101
	107.1-12
	130.7-15
	168.4-
	Missing slabs:-

BOOK

ns		Contents 19.64	*Reference to last Measurement
eadth 5	Depth 6	7	8
45	0·10	= 2·70	
45	0·10	= 1·02	
45	0·10	= 1·85	
45	0·10	= 2·49	
45	0·10	= 0·77	
		14.24 cum	
45	0·10	= 5.04	
	0·10	= 4.0	
	0·10	= 3·30	
Total =		37·52 cum	
7.08			
		213864·00	
		21.1356	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494315

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.06:- Providing precast slab of 200mm th including cost of all materials, labour, curing, transportation, loading unloading etc,						
	0-30 @ Fl.	50	1·20	0·60	-	= 36.0	
	30-60 @ "	50	1·20	0·60	-	= 36.0	
	60-90 @ "	50	1·20	0·60	-	= 36.0	
	90-101·3	20	1·20	0·60	-	= 14.40	
	104·1-127·7	35	1·20	0·60	-	= 25.20	
	130·7-158·4	50	1·20	0·60	-	= 36.0	
	168·4-177	20	1·20	0·60	-	= 14.40	
						198.00 Sqm	
	Missing slabs:-	30	1·80	0·60	-	= 32.40	
						271.21	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	271.21.	
1	2	3	4	5	6	7	8
		16	1.80	0.60	- =	17.28	
					Totale	247.60	1231056
				Limit	272.40.		356552
	Dt the rate of	Rs.4980.0 →			247.20	1357149.60	
				Totale=		2415827.20	2415229

Assistant Executive Engineer
Kodigehalli Sub Division
Anmat Bangalore Mahanagara Palike
Bangalore - 560 092

Artplg. N.D
DE(W).
01/08/18

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	Jakkur layout Ayyappa temple road R/S Jakkur colony Anjaneya Temple

Artplg. N.D
DE(W)

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	- =	17.28	
	Totale	247.60 Sqm	1231056
	247.20	1357149.60	1356552
	2415827.20		2415229

Asstt. E.N.D
A.E(W).
01/02/18

M. A. R. 57 (Rule 116)
Measurement Book

No. B

494316

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Jakkur layout						
	Ayyappa temple road						
	R/S						
	Jakkur colony						
	Anjaneya Temple						
	Amruthahalli main						

INDEX

	SSM drain

Asstt. E.N.D
A.E(W)

PLAN

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:-						
	1) Certified that the work done by the contractor is satisfactory.						
	2) Certified that the debris has been removed from the work spot.						
	3) Certified that the above said work not considered under any other grants.						
	Abstract:.N.D AE(W7).						

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

M.

Serial No. Royalty charges: F
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
Sl No	qty - cum.	Coe
02	19.24 - cum	0.9
05	40.82 - cum	0.9
	Total:	
	Abstract:-	
	1) Coarse-aggregates:-	55.
	2) Fine-aggregates:-	27.

OOK

Depth 6	Contents 7	Reference to last Measurement 8
or is satisfactory.		
d from the work spot.		
considered under any		

Executive Engineer
Sub Division
Mananagara Palike
- 560 092

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494317

Serial No. Royalty charges:
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		Coarse aggr		Fine-aggr		cement	
Sl No.	qty - cum.	coeff	qty	coeff	qty.		
02	19.24 - cum	0.96	18.47	0.48	9.23		
05	40.82 - cum	0.90	36.74	0.45	18.35		
	Total:		55.21		27.58		
	Abstract:-						
	1) coarse-aggregates:-	55.21 x 108 =	5962.68				
	2) Fine-aggregates:-	27.58 x 103 =	2840.74				
			8803.42				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs: 220205 7-00	
						IT- 220 [illegible] -0	
						CH- 220 [illegible] -0	
						CBF- 22.0 [illegible] -0	
						LR- 880 3-0	
						Adv: 55047-0	
						Charges 214.7010 -0	

220205 7-00

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 2415 23[illegible] 7-0

ಗಳನ್ನು ಪಾಸು ಮಾಡಿದ : ಇದರಲ್ಲಿ ರೂ 55047-0

ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 214.7010-0

ರೂ Rs: Two lakh [illegible]

ಬೇಕಾ ಮುಖಾಂತರ ನೀಡತಕ್ಕದ್ದು

ಅಧೀಕ್ಷಕರು

ಮೇಲ್ವಿಚಾರಕರು

0/18

1st an

Serial No. Prem

Name of Work 2n

Name of Contract

Date of commenc

Date	Full de
1	2
	Est cost:-
	Job code:-
	A.S.No:-
	T.S.No:-
	Agr No:- (Modified)
	Work order no:- (Mo
	Approved amount:-
	Date of commencem